MSRB Notice 2009-09
(March 24, 2009)

Final Specifications for the MSRB's Electronic Municipal Market Access System ("EMMA") Primary Market Subscription Service

The Municipal Securities Rulemaking Board (the "MSRB") is publishing final specifications for its upcoming subscription service for real-time dissemination of documents and information submitted to the permanent primary market disclosure service of the MSRB's Electronic Municipal Market Access system ("EMMA"). The MSRB has filed a proposed rule change with the Securities and Exchange Commission (the "SEC") that would, among other things, implement the EMMA primary market disclosure service as a permanent system of the MSRB, as well as amend and consolidate current Rules G-32 and G-36 into new Rule G-32, on new issue disclosure, and replace current Forms G-36(OS) and G-36(ARD) with new Form G-32 for the purpose of establishing an "access equals delivery" standard for electronic official statement dissemination in the municipal securities market (the "EMMA primary market proposal").[1] The MSRB expects to commence operation of the EMMA primary market disclosure service on or after May 11, 2009.[2]

The primary market subscription service will be a computer-to-computer connection for real-time dissemination to subscribers of official statements, certain preliminary official statements and advance refunding documents ("primary market documents") and related information posted on EMMA's public website (the "EMMA portal").[3]

BACKGROUND

On September 24, 2008, the MSRB published preliminary specifications for the primary market subscription service (the "2008 Notice").[4] Further details on the primary market

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1 File No. SR-MSRB-2009-02. *See* MSRB Notice 2009-07 (March 23, 2009).

2 The MSRB requested that the SEC approve commencement of operation of the permanent EMMA primary market disclosure service on the later of (i) May 11, 2009 or (ii) the date announced by the MSRB in a notice published on the MSRB website, which date shall be no earlier than ten business days after SEC approval of the proposed rule change and shall be announced no fewer than five business days prior to such date.

3 The EMMA portal is currently operational as a pilot and may be accessed at http://emma.msrb.org.

4 MSRB Notice 2008-40 (September 24, 2008). The 2008 Notice also included preliminary specifications for the MSRB's proposed automated submission interface for

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subscription service, including subscription cost, are set forth in the EMMA primary market proposal.

SPECIFICATIONS FOR PRIMARY MARKET SUBSCRIPTION SERVICE

The specifications for the primary market subscription service are set forth in this notice, including the figures appended hereto. These specifications will be republished on the MSRB website (http://www.msrb.org) in the EMMA Primary Market Subscription Manual at or prior to the commencement of operations of the permanent EMMA primary market disclosure service.

Web Service Interfaces

The MSRB will expose two web service interfaces to receive SOAP (Simple Object Access Protocol) standard XML (extensible markup language) messages and PDF (portable document format) documents using secure, computer-to-computer communications. These interfaces will be remotely consumed by applications written by or for subscribers in a wide variety of programming languages and running on a wide variety of platforms. Subscribers to the primary market subscription service will connect to the web service interfaces as follows:

For data files: https://dataport.emma.msrb.org/PrimaryDisclosureSubscriptionService.svc

For document files: https://dataport.emma.msrb.org/DocumentRetrievalService.svc

These connections are not currently operational and the MSRB will provide notice when they become available.

Data and Document Feed Process

The primary market subscription service will provide XML files of data in connection with primary market disclosures and advance refunding disclosures and PDF files of official statements, preliminary official statements and advance refunding documents.

Data file dissemination. Publicly disseminated information submitted to EMMA will normally be staged for subscriber access simultaneously with the posting of such publicly disseminated information to the EMMA portal. Subscribers will poll the data file subscription

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computer-to-computer submission of primary market documents, together with related information, to the EMMA primary market disclosure service by underwriters, placement agents or remarketing agents, and by their designated agents. The MSRB is also publishing today final specifications for the EMMA automated submission interface (the "Automated Submission Service Final Specifications"). *See* MSRB Notice 2009-08 (March 24, 2009).

web service, at a frequency to be determined by each subscriber, by issuing a data request to receive the next available data from primary market disclosure submissions and advance refunding disclosure submissions, based on subscriber-determined parameters. EMMA will bundle into a single XML file data from up to 200 data submissions for primary market disclosures and advance refunding disclosures for transmission to subscribers. The XML file will include file reference identifiers for each PDF file for use by subscribers in polling the document file subscription web service and in associating them to the related data. Depending on the subscriber's polling parameters, subscribers will be able to access information through the primary market subscription service on an effectively real-time basis.

Document dissemination. Documents submitted to EMMA normally will be available for subscriber access simultaneously with the posting of such documents to the EMMA portal. Subscribers will issue document requests, at a frequency to be determined by each subscriber, to receive any available documents based on the file reference identifiers provided in the XML files disseminated to subscribers. Each document will be transmitted to subscribers as individual PDF files. Depending on the subscriber's parameters for issuing document requests, subscribers will be able to access documents through the primary market subscription service on an effectively real-time basis, subject to transmission limitations resulting from the potentially large size of some document files and the speed of the subscriber's connection.

Overview of Message Processing, Schemas and Data Tags

This notice links to a series of figures and tables providing more detailed information about the primary market subscription service. A message processing overview is included in Figure 1. An XML data schema and a type definition schema are included in Figure 2. A data tag glossary is provided in Figure 3.[5]

Data Message

Data elements to be disseminated through the primary market subscription service will be organized in a hierarchical relationship into the following categories: (i) subscriber data; (ii) submission data; (iii) offering data; (iv) issue data; (v) security data; (vi) document data; (vii) file data; and (viii) limited offering contact data. These categories, and the available data tags applicable to each category, are included in Figure 4 and are also summarized below:

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[5] The descriptions of the submission data elements to be provided by submitters to EMMA through the automated submission interface are set forth in the Automated Submission Service Final Specifications, which descriptions provide more detailed information about the data elements to be disseminated to subscribers through the primary market subscription service. *See* MSRB Notice 2009-08 (March 24, 2009).

- ***subscriber data*** –
  - (i) submission transaction count (indicates number of submissions in data message)
  - (ii) replay date (if data replay requested by subscriber, indicates period of data replay)

- ***submission data*** –
  - (i) submission identifier (uniquely identifies submission being disseminated)
  - (ii) submission type (primary market disclosure, advance refunding disclosure)
  - (iii) submission status (publish, notice of cancellation of offering)
  - (iv) submission transaction date and time (indicates EMMA posting date and time)

- ***offering data*** –
  - (i) offering type (bond, municipal fund security)
  - (ii) underwriting spread (if no underwriting spread disclosure indicator used)
  - (iii) underwriting spread disclosure indicator (if underwriting spread not provided – disclosed in official statement, not disclosed for competitive sale)
  - (iv) OS availability status (as applicable – indicates if official statement not available at closing, if no official statement is available and applicable exemption under Rule 15c2-12, if official statement available only from underwriter for limited offering under Rule 15c2-12)
  - (v) POS availability status (if OS availability status used – indicates if preliminary official statement is available or is not available)
  - (vi) CUSIP-9 of latest maturity on issue not underwritten (provided only for offerings where different underwriters underwrite separate issues in the offering)[6]

- ***issue data*** (each element provided for each issue in the offering, as applicable)[7] –
  - (i) issue type (new issue, remarketed, refunded)
  - (ii) security type (CUSIP-9, Non-CUSIP, commercial paper[8])
  - (iii) issuer name (full name as entered by submitter)
  - (iv) issue description (full description as entered by submitter)
  - (v) issuer state
  - (vi) issue closing date
  - (vii) issue dated date

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[6] Note that the MSRB has moved the "CUSIP-9 of latest maturity on issue not underwritten" from the issue data category (as included in the preliminary specifications) to the offering data category (as included in the final specifications)

[7] Note that the MSRB has moved the "CUSIP-9 of latest maturity on issue not underwritten" from the issue data category (as included in the preliminary specifications) to the offering data category (as included in the final specifications).

[8] Note that the MSRB has renamed the selection "CUSIP-6," as was included in the preliminary specifications, to "commercial paper," as set forth in the final specifications.

(viii) original dated date (for remarketings if CUSIP-9 is unchanged but new dated date is assigned)
(ix) original CUSIP-9 of remarketed security (provided only if new CUSIP-9 number assigned to a remarketed issue)
(x) CUSIP-6 (provided only for commercial paper issue where CUSIP-9s not submitted to EMMA or for Non-CUSIP issues if CUSIP-6 of issuer is known)

- ***security data*** (each element provided for each security of each issue in the offering, as applicable) –
  (i) CUSIP-9 (as applicable for new issue or remarketed issue type – not provided for municipal fund security issue type or Non-CUSIP or CUSIP-6 security type)
  (ii) maturity date
  (iii) security dated date (if different from issue dated date)
  (iv) maturity principal amount
  (v) interest rate
  (vi) initial offering price or yield[9]
  (vii) security status (as applicable if underwrite is only underwriting a portion of an issue – not underwritten indicates that this security is underwritten by a different underwriter, partially underwritten indicates that underwriter is underwriting a portion of this security and the remaining portion is underwritten by another underwriter)[10]
  (viii) par value underwritten (if security is partially underwritten, represents portion of security underwritten by the underwriter)
  (ix) original CUSIP-9 of refunded security (used only for refunded issue type – not provided for Non-CUSIP or CUSIP-6 security type)
  (x) new CUSIP-9 of refunded security (used only for refunded issue type if new CUSIP-9 assigned for refunded portion of partially refunded security)
  (xi) new CUSIP-9 for unrefunded balance (used only for refunded issue type if new CUSIP-9 assigned for unrefunded balance of partially refunded security)

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[9] Note that the MSRB has eliminated the "initial offering price or yield range," which was included in the preliminary specifications, from the final specifications.

[10] Note that the MSRB has renamed the data element "Underwritten Indicator," as was included in the preliminary specifications, to "Security Status," as set forth in the final specifications. Further, selection choices "Underwritten," "Remarketed," and Not Remarketed" have been added to the final specifications.

- ***document data*** (each element provided for each document associated with the submission, as applicable)[11] –
  - (i) document identifier (uniquely identifies submission being disseminated)
  - (ii) document type (official statement, preliminary official statement, advance refunding document, remarketing supplement, municipal fund security disclosure document, municipal fund security disclosure document supplment)
  - (iii) document description
  - (iv) document status (current, archived, removed)[12]
  - (v) document posting date (date first file of document posted to public on EMMA)
  - (vi) document archive date (date document moved to EMMA archive)
  - (vii) document remove date (date document removed from EMMA)[13]
  - (viii) CUSIP-9 identifier of refunding issue (only for advance refunding document – provided for each advance refunding issue applicable to such document)
  - (ix) original CUSIP-9 of refunded security (only for advance refunding document – provided for each refunded security applicable to such advance refunding document)

- ***file data*** (each element provided for each file of a document, as applicable) –
  - (i) file identifier (unique identifier for each PDF file of the document)
  - (ii) file order (as applicable if multiple files for the document are submitted)
  - (iii) file status (current, archived, removed)[14]

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[11] Note that the MSRB has eliminated the "document disclosure completion indicator" and "document posting operation indicator," which were included in the preliminary specifications, from the final specifications.

[12] Selection choice "Removed"" has been added to the final specifications. The document archive for each issue or security generally will contain all documents submitted to EMMA for public dissemination with respect to such issue or security. In addition to "current" documents posted on their respective Issue Detail or Security Detail page on the EMMA portal, the archive will sometimes include duplicate submissions of documents that may occur from time to time, as well as documents that may be superseded through subsequent amendatory submissions to EMMA. Such superseded documents will be moved from the "current" document list on the Issue Detail or Security Detail page to the "archive" list available to the public through the archive link appearing on such Issue Detail or Security Detail page. In very limited circumstances, a document may be removed altogether from EMMA, in which case the document status would be listed as "removed."

[13] Note that the MSRB has added the "document remove date," which was not included in the preliminary specifications, to the final specifications.

[14] Selection choice "Removed"" has been added to the final specifications. *See* footnote 11 *supra*.

(iv) file posting date (date file posted to public on EMMA)
(v) file archive date (date file moved to EMMA archive)
(vi) file remove date (date file removed from EMMA)[15]

- ***limited offering contact*** (provided only if an official statement for an offering exempt from Rule 15c2-12(d)(1)(i) is produced but will not be submitted to EMMA)
  (i) OS contact organization name
  (ii) OS contact first name
  (iii) OS contact last name
  (iv) OS contact title
  (v) OS contact phone number
  (vi) OS contact phone number extension
  (vii) OS contact address
  (viii) OS contact city
  (ix) OS contact state
  (x) OS contact zip code
  (xi) OS contact email address

Several examples of XML files disseminating data submissions for various types of primary market disclosures and advance refunding disclosures are included in Figure 5.

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Questions may be directed to Steve Cook, Director of Systems Development, Ernesto A. Lanza, General Counsel, Peg Henry, Associate General Counsel, or Leslie Carey, Associate General Counsel, at (703) 797-6600.

March 24, 2009

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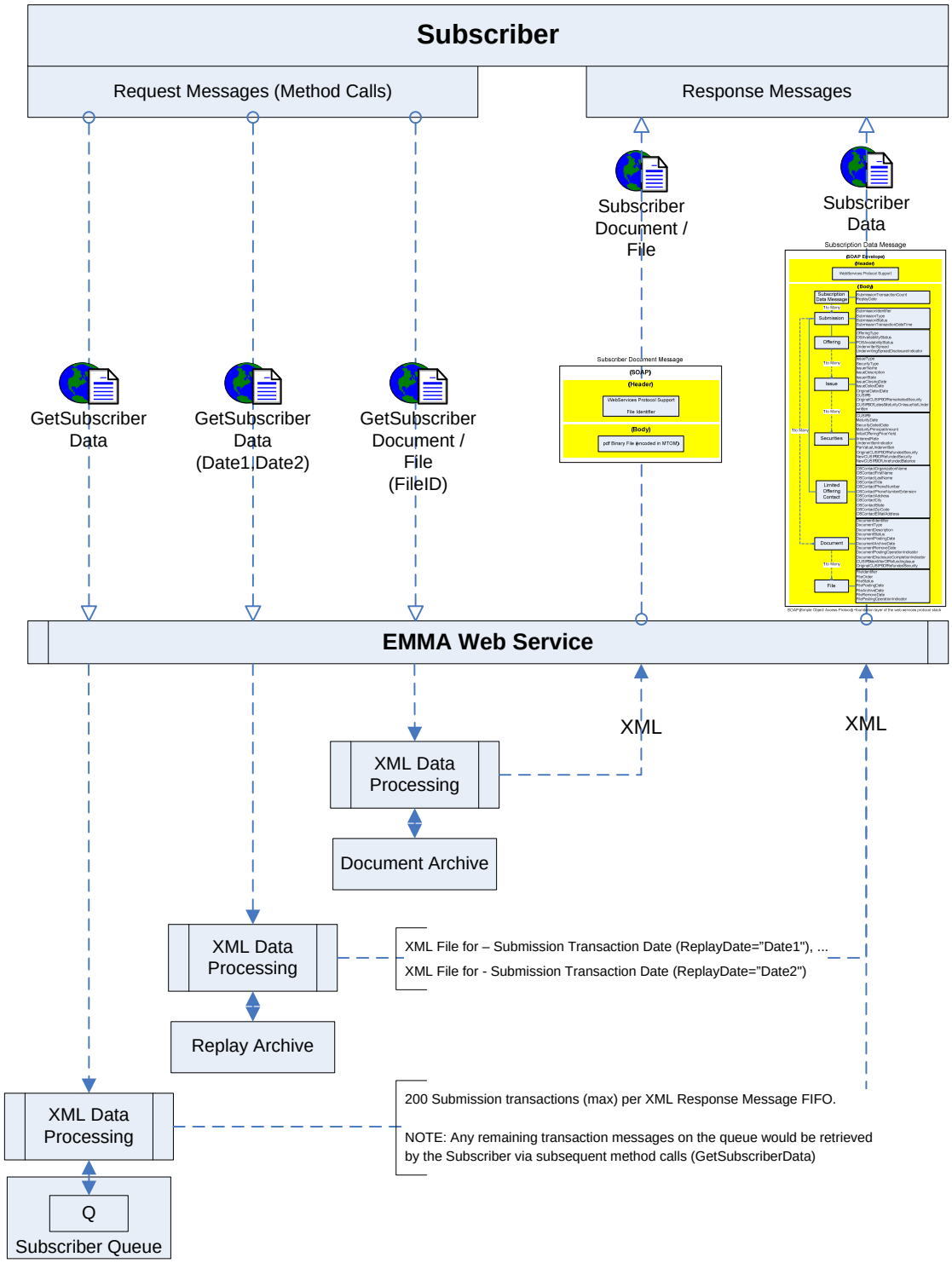
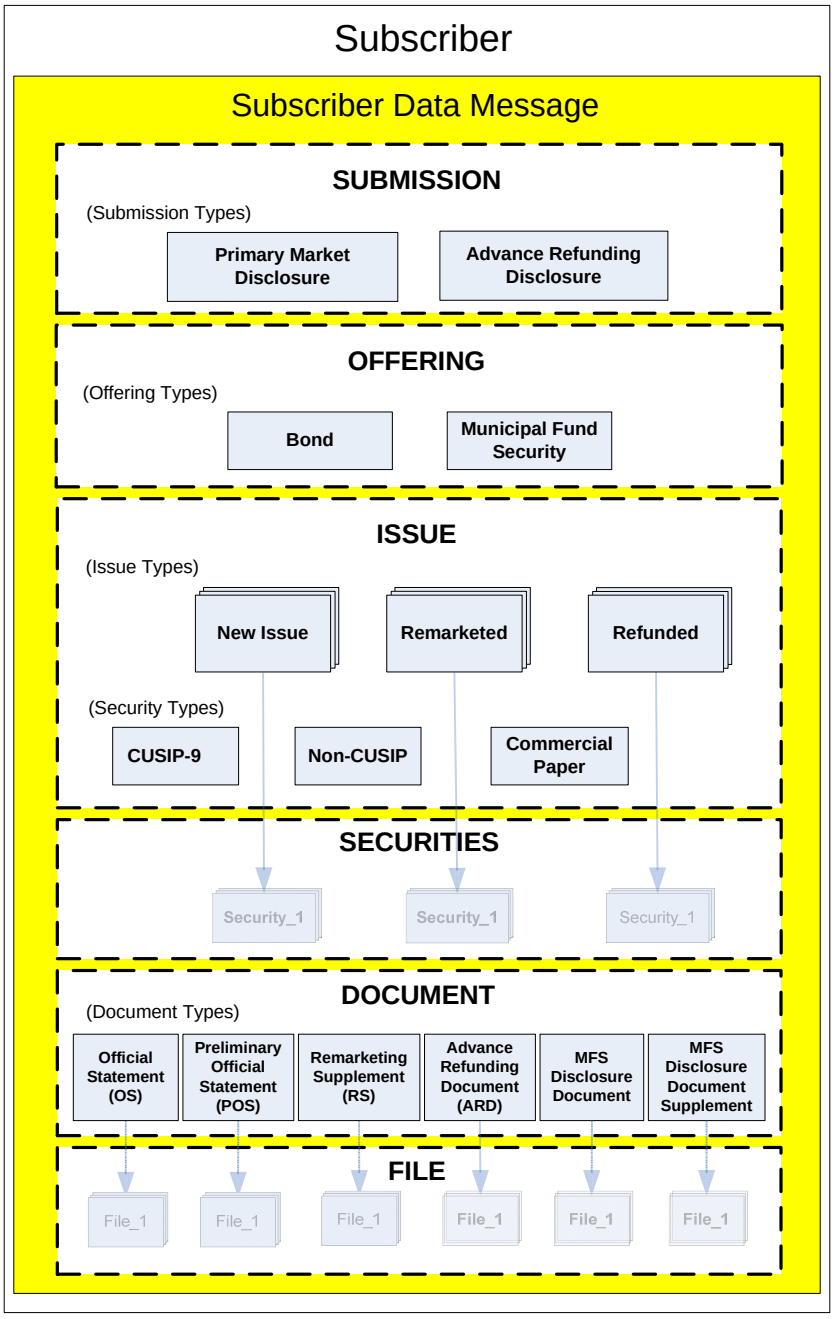
[15] Note that the MSRB has added the "file remove date," which was not included in the preliminary specifications, to the final specifications.

MESSAGE PROCESSING OVERVIEW



DATA MESSAGE & TYPE DEFINITION SCHEMAS

Set forth below is a schema model showing the data message to be disseminated through the subscription. Within the message are information containers (Submission, Offering, Issue, Securities, Document, File, and Underwriter) and the information types and values associated with each.



XML MESSSAGE SCHEMAS

Detailed below are Data, Document and Type Definition schemas. The Data and Document schemas describe the base structural containers which in turn reference child-level containers and specifications described in the Type Definition schema.

Data Message Schema

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="EMMA-SUBSCRIPTION-XML" targetNamespace="EMMA-SUBSCRIPTION-XML"
elementFormDefault="qualified" attributeFormDefault="unqualified" version="1.0">
	<xs:include
	schemaLocation="C:\EMMA\EMMA_B2B\Schema\PrimaryMarket\Subscription\EMMA_B2B_SUBSCRIPTION_TypeDefinition_Schema_v15.xsd"/>
	<xs:element name="SubscriptionDataMessage" type="SubscriptionDataMessageType"/>
	<!-- Type Definition starts -->
	<xs:complexType name="SubscriptionDataMessageType">
		<xs:sequence>
			<xs:element name="Submission" type="SubmissionDetailsType" maxOccurs="unbounded"/>
		</xs:sequence>
		<xs:attribute name="SubmissionTransactionCount" type="xs:integer"/>
		<xs:attribute name="ReplayDate" type="ISODate"/>
	</xs:complexType>
	<xs:complexType name="SubmissionDetailsType">
		<xs:sequence>
			<xs:element name="Offering" type="OfferingDetailsType" minOccurs="1" maxOccurs="1"/>
			<xs:element name="Document" type="DocumentDetailsType" minOccurs="0" maxOccurs="unbounded"/>
			<xs:element name="OSAvailabilityContactInformation" type="OSAvailabilityContactInformationType" minOccurs="0"
				maxOccurs="1"/>
		</xs:sequence>
		<xs:attribute name="SubmissionIdentifier" type="Max25Text" use="required"/>
		<xs:attribute name="SubmissionType" type="SubmissionType" use="required"/>
		<xs:attribute name="SubmissionStatus" type="SubmissionStatusType"/>
		<xs:attribute name="SubmissionTransactionDateTime" type="ISODateTime"/>
	</xs:complexType>
</xs:schema>
```

Document Message Schema

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="EMMA-SUBMISSION-XML" targetNamespace="EMMA-SUBMISSION-XML"
elementFormDefault="qualified" attributeFormDefault="unqualified" version="1.0">
	<xs:include schemaLocation="…"/>
	<xs:element name="SubscriptionDocumentMessage" type="SubscriptionDocumentMessageType"/>
	<!-- Type Definition starts -->
	<xs:complexType name="SubscriptionDocumentMessageType">
		<xs:sequence>
			<xs:element name="File" type="FileDetailsType" minOccurs="1" maxOccurs="1"/>
		</xs:sequence>
	</xs:complexType>
	<!-- Type definition ends -->
</xs:schema>
```

Type Definition Schema

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified" version="1.0">
	<!-- Type Definition starts -->
	<xs:complexType name="OfferingDetailsType">
		<xs:sequence>
			<xs:element name="Issue" type="IssuesType" maxOccurs="unbounded"/>
			<xs:element name="CUSIP9OfLatestMaturityOnIssueNotUnderwritten" type="Cusip9Type" minOccurs="0"
maxOccurs="unbounded"/>
		</xs:sequence>
		<xs:attribute name="OfferingType" type="OfferingType"/>
		<xs:attribute name="OSAvailabilityStatus" type="OSAvailabilityStatusType"/>
		<xs:attribute name="POSAvailabilityStatus" type="POSAvailabilityStatusType"/>
		<xs:attribute name="UnderwritingSpreadDisclosureIndicator" type="UnderwritingSpreadDisclosureIndicatorType"/>
		<xs:attribute name="UnderwritingSpread" type="xs:float"/>
	</xs:complexType>
	<xs:complexType name="IssuesType">
		<xs:sequence>
			<xs:element name="OriginalCUSIP9OfRemarketedSecurity" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
			<xs:element name="UnderlyingSecurities" type="UnderlyingSecuritiesType"  minOccurs="0" maxOccurs="1"/>
		</xs:sequence>
```

```
        <xs:attribute name="IssueType" type="IssueType"/>
        <xs:attribute name="SecurityType" type="SecurityType"/>
        <xs:attribute name="IssueDescription" type="Max250Text"/>
        <xs:attribute name="IssuerName" type="Max250Text"/>
        <xs:attribute name="IssuerState" type="StateCode"/>
        <xs:attribute name="IssueClosingDate" type="ISODate"/>
        <xs:attribute name="IssueDatedDate" type="ISODate"/>
        <xs:attribute name="OriginalDatedDate" type="ISODate"/>
        <xs:attribute name="CUSIP6" type="Cusip6Type"/>
</xs:complexType>
<xs:complexType name="UnderlyingSecuritiesType">
        <xs:sequence>
                <xs:element name="Security" type="SecurityDetailsType" maxOccurs="unbounded"/>
        </xs:sequence>
</xs:complexType>
<xs:complexType name="SecurityDetailsType">
        <xs:attribute name="CUSIP9" type="Cusip9Type"/>
        <xs:attribute name="MaturityDate" type="ISODate"/>
        <xs:attribute name="SecurityDatedDate" type="ISODate"/>
        <xs:attribute name="InitialOfferingPriceYield" type="xs:float"/>
        <xs:attribute name="MaturityPrincipalAmount" type="xs:decimal"/>
        <xs:attribute name="InterestRate" type="xs:decimal"/>
        <xs:attribute name="SecurityStatus" type="SecurityStatusType"/>
        <xs:attribute name="ParValueUnderwritten" type="xs:decimal"/>
        <xs:attribute name="OriginalCUSIP9OfRefundedSecurity" type="Cusip9Type"/>
        <xs:attribute name="NewCUSIP9OfUnrefundedBalance" type="Cusip9Type"/>
        <xs:attribute name="NewCUSIP9OfRefundedSecurity" type="Cusip9Type"/>
</xs:complexType>
<xs:complexType name="DocumentDetailsType">
        <xs:sequence>
                <xs:element name="CUSIP9IdentifierOfRefundingIssue" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
                <xs:element name="OriginalCUSIP9OfRefundedSecurity" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
                <xs:element name="UnderlyingFiles" type="UnderlyingFilesType" maxOccurs="1"/>
        </xs:sequence>
        <xs:attribute name="DocumentIdentifier" type="Max25Text"/>
        <xs:attribute name="DocumentType" type="DocumentType"/>
        <xs:attribute name="DocumentDescription" type="Max75Text"/>
        <xs:attribute name="DocumentStatus" type="DocumentStatusType"/>
```

```
		<xs:attribute name="DocumentPostingDate" type="ISODate"/>
		<xs:attribute name="DocumentArchiveDate" type="ISODate"/>
		<xs:attribute name="DocumentRemoveDate" type="ISODate"/>
</xs:complexType>
<xs:complexType name="UnderlyingFilesType">
		<xs:sequence>
			<xs:element name="File" type="FileDetailsType" minOccurs="0" maxOccurs="unbounded"/>
		</xs:sequence>
</xs:complexType>
<xs:complexType name="FileDetailsType">
		<xs:attribute name="FileIdentifier" type="Max25Text"/>
		<xs:attribute name="FileOrder" type="xs:integer"/>
		<xs:attribute name="EffectiveDate" type="ISODate"/>
		<xs:attribute name="FileStatus" type="DocumentStatusType"/>
		<xs:attribute name="FilePostingDate" type="ISODate"/>
		<xs:attribute name="FileArchiveDate" type="ISODate"/>
		<xs:attribute name="FileRemoveDate" type="ISODate"/>
</xs:complexType>
<xs:complexType name="OSAvailabilityContactInformationType">
		<xs:attribute name="OSContactOrganizationName" type="Max140Text"/>
		<xs:attribute name="OSContactFirstName" type="Max25Text"/>
		<xs:attribute name="OSContactLastName" type="Max25Text"/>
		<xs:attribute name="OSContactTitle" type="Max140Text"/>
		<xs:attribute name="OSContactPhoneNumber" type="Max15Text"/>
		<xs:attribute name="OSContactPhoneNumberExtension" type="Max6Text"/>
		<xs:attribute name="OSContactAddress" type="Max140Text"/>
		<xs:attribute name="OSContactCity" type="Max25Text"/>
		<xs:attribute name="OSContactState" type="StateCode"/>
		<xs:attribute name="OSContactZipCode" type="Max15Text"/>
		<xs:attribute name="OSContactEMailAddress" type="Max50Text"/>
</xs:complexType>
<xs:simpleType name="SubmissionType">
		<xs:restriction base="xs:string">
			<xs:enumeration value="PrimaryMarketDisclosure"/>
			<xs:enumeration value="AdvanceRefundingDisclosure"/>
		</xs:restriction>
</xs:simpleType>
<xs:simpleType name="SubmissionStatusType">
```

```
        <xs:restriction base="xs:string">
                <xs:enumeration value="Publish"/>
                <xs:enumeration value="NoticeOfCancellationOfOffering"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="OfferingType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="Bond"/>
                <xs:enumeration value="MunicipalFundSecurity"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="IssueType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="NewIssue"/>
                <xs:enumeration value="Remarketed"/>
                <xs:enumeration value="Refunded"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="SecurityType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="CUSIP-9"/>
                <xs:enumeration value="CommercialPaper"/>
                <xs:enumeration value="non-CUSIP"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="SecurityStatusType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="Underwritten"/>
                <xs:enumeration value="PartiallyUnderwritten"/>
                <xs:enumeration value="NotUnderwritten"/>
                <xs:enumeration value="Remarketed"/>
                <xs:enumeration value="NotRemarketed"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DocumentType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="OfficialStatement"/>
                <xs:enumeration value="PreliminaryOfficialStatement"/>
```

```
                <xs:enumeration value="AdvanceRefundingDocument"/>
                <xs:enumeration value="RemarketingSupplement"/>
                <xs:enumeration value="MFSDisclosureDocument"/>
                <xs:enumeration value="MFSDisclosureDocumentSupplement"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DocumentStatusType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="Current"/>
                <xs:enumeration value="Archived"/>
                <xs:enumeration value="Removed"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="POSAvailabilityStatusType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="POSSubmitted"/>
                <xs:enumeration value="NoPOSPrepared"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="OSAvailabilityStatusType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="OSNotAvailableAtClosing"/>
                <xs:enumeration value="OSAvailableOnlyFromUnderwriter_15c212ExemptLimitedOffering"/>
                <xs:enumeration value="OSNotProduced_15c212ExemptLimitedOffering"/>
                <xs:enumeration value="OSNotProduced_15c212ExemptShortTermOffering"/>
                <xs:enumeration value="OSNotProduced_15c212ExemptPuttableOffering"/>
                <xs:enumeration value="OSNotProduced_15c212ExemptSmallOffering"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="UnderwritingSpreadDisclosureIndicatorType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="DisclosedInOfficialStatement"/>
                <xs:enumeration value="NotDisclosed_CompetitiveSale"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="Cusip6Type">
        <xs:restriction base="xs:string">
                <xs:minLength value="6"/>
```

```
                <xs:maxLength value="6"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="Cusip9Type">
        <xs:restriction base="xs:string">
                <xs:minLength value="9"/>
                <xs:maxLength value="9"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="StateCode">
        <xs:restriction base="xs:string">
                <xs:pattern value="[A-Z]{2,2}"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ISODate">
        <xs:restriction base="xs:date"/>
</xs:simpleType>
<xs:simpleType name="ISODateTime">
        <xs:restriction base="xs:dateTime"/>
</xs:simpleType>
<xs:simpleType name="Max250Text">
        <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="250"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="Max140Text">
        <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="140"/>
        </xs:restriction>
</xs:simpleType>
<xs:simpleType name="Max75Text">
        <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="75"/>
        </xs:restriction>
</xs:simpleType>
```

```
	<xs:simpleType name="Max50Text">
		<xs:restriction base="xs:string">
			<xs:minLength value="1"/>
			<xs:maxLength value="50"/>
		</xs:restriction>
	</xs:simpleType>
	<xs:simpleType name="Max25Text">
		<xs:restriction base="xs:string">
			<xs:minLength value="1"/>
			<xs:maxLength value="25"/>
		</xs:restriction>
	</xs:simpleType>
	<xs:simpleType name="Max15Text">
		<xs:restriction base="xs:string">
			<xs:minLength value="1"/>
			<xs:maxLength value="15"/>
		</xs:restriction>
	</xs:simpleType>
	<xs:simpleType name="Max6Text">
		<xs:restriction base="xs:string">
			<xs:minLength value="1"/>
			<xs:maxLength value="6"/>
		</xs:restriction>
	</xs:simpleType>
	<!-- Type definition ends -->
</xs:schema>
```

SUMMARY OF CHANGES FROM PRELIMINARY SPECIFICATIONS

(underlining indicates additions; strikethrough indicates deletions)

Data Message Schema:

- <xs:complexType name="SubmissionDetailsType">
  <xs:sequence>
  <xs:element name="Offering" type="OfferingDetailsType" minOccurs="1" maxOccurs="1"/>
  <xs:element name="Document" type="DocumentDetailsType" minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="OSAvailabilityContactInformation" type="OSAvailabilityContactInformationType" minOccurs="0" maxOccurs="**1** ~~**unbounded**~~"/>
  </xs:sequence>

Type Definition Schema:

- <xs:complexType name="OfferingDetailsType">
  <xs:sequence>
  <xs:element name="Issue" type="IssuesType" maxOccurs="unbounded"/>
  <xs:element name="CUSIP9OfLatestMaturityOnIssueNotUnderwritten" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="OfferingType" type="OfferingType"/>
  <xs:attribute name="OSAvailabilityStatus" type="OSAvailabilityStatusType"/>
  <xs:attribute name="POSAvailabilityStatus" type="POSAvailabilityStatusType"/>
  <xs:attribute name="UnderwritingSpreadDisclosureIndicator" type="UnderwritingSpreadDisclosureIndicatorType"/>
  <xs:attribute name="UnderwritingSpread" type="xs:float"/>
  </xs:complexType>

- <xs:complexType name="SecurityDetailsType">
  <xs:attribute name="CUSIP9" type="Cusip9Type"/>
  <xs:attribute name="MaturityDate" type="ISODate"/>
  <xs:attribute name="SecurityDatedDate" type="ISODate"/>
  <xs:attribute name="InitialOfferingPriceYield" type="xs:float"/>
  ~~**<xs:attribute name="InitialOfferingPriceYieldRange" type="xs:float"/>**~~
  <xs:attribute name="MaturityPrincipalAmount" type="xs:decimal"/>
  <xs:attribute name="InterestRate" type="xs:decimal"/>

<xs:attribute name="**SecurityStatus** ~~**UnderwrittenIndicator**~~" type="**SecurityStatusType** ~~**UnderwrittenIndicatorType**~~"/>
<xs:attribute name="ParValueUnderwritten" type="xs:decimal"/>
<xs:attribute name="OriginalCUSIP9OfRefundedSecurity" type="Cusip9Type"/>
<xs:attribute name="NewCUSIP9OfUnrefundedBalance" type="Cusip9Type"/>
<xs:attribute name="NewCUSIP9OfRefundedSecurity" type="Cusip9Type"/>
</xs:complexType>

- <xs:complexType name="IssuesType">
<xs:sequence>
<xs:element name="OriginalCUSIP9OfRemarketedSecurity" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="UnderlyingSecurities" type="UnderlyingSecuritiesType" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
<xs:attribute name="IssueType" type="IssueType"/>
<xs:attribute name="SecurityType" type="SecurityType"/>
<xs:attribute name="IssueDescription" type="Max250Text"/>
<xs:attribute name="IssuerName" type="Max250Text"/>
<xs:attribute name="IssuerState" type="StateCode"/>
<xs:attribute name="IssueClosingDate" type="ISODate"/>
<xs:attribute name="IssueDatedDate" type="ISODate"/>
<xs:attribute name="OriginalDatedDate" type="ISODate"/>
<xs:attribute name="CUSIP6" type="Cusip6Type"/>
~~**<xs:element name="CUSIP9OfLatestMaturityOnIssueNotUnderwritten" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>**~~
</xs:complexType>

- <xs:complexType name="DocumentDetailsType">
<xs:sequence>
<xs:element name="CUSIP9IdentifierOfRefundingIssue" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="OriginalCUSIP9OfRefundedSecurity" type="Cusip9Type" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="UnderlyingFiles" type="UnderlyingFilesType" maxOccurs="1"/>
</xs:sequence>
<xs:attribute name="DocumentIdentifier" type="Max25Text"/>
<xs:attribute name="DocumentType" type="DocumentType"/>
<xs:attribute name="DocumentDescription" type="**Max75Text** ~~**Max250Text**~~"/>
<xs:attribute name="DocumentStatus" type="DocumentStatusType"/>
<xs:attribute name="DocumentPostingDate" type="ISODate"/>
<xs:attribute name="DocumentArchiveDate" type="ISODate"/>

<xs:attribute name="DocumentRemoveDate" type="ISODate"/>
~~**<xs:attribute name="DocumentPostingOperationIndicator" type="DocumentPostingOperationIndicatorType"/>**~~
~~**<xs:attribute name="DocumentDisclosureCompletionIndicator" type="DocumentDisclosureCompletionIndicatorType"/>**~~
</xs:complexType>

- <xs:complexType name="FileDetailsType">
<xs:attribute name="FileIdentifier" type="Max25Text"/>
<xs:attribute name="FileOrder" type="xs:integer"/>
<xs:attribute name="EffectiveDate" type="ISODate"/>
<xs:attribute name="FileStatus" type="DocumentStatusType"/>
<xs:attribute name="FilePostingDate" type="ISODate"/>
<xs:attribute name="FileArchiveDate" type="ISODate"/>
<xs:attribute name="FileRemoveDate" type="ISODate"/>
</xs:complexType>

- <xs:complexType name="OSAvailabilityContactInformationType">
<xs:attribute name="OSContactOrganizationName" type="Max140Text"/>
<xs:attribute name="OSContactFirstName" type="Max25Text"/>
<xs:attribute name="OSContactLastName" type="Max25Text"/>
<xs:attribute name="OSContactTitle" type="Max140Text"/>
<xs:attribute name="OSContactPhoneNumber" type="**Max15Text** ~~**Max14Text**~~"/>
<xs:attribute name="OSContactPhoneNumberExtension" type="Max6Text"/>
<xs:attribute name="OSContactAddress" type="Max140Text"/>
<xs:attribute name="OSContactCity" type="Max25Text"/>
<xs:attribute name="OSContactState" type="StateCode"/>
<xs:attribute name="OSContactZipCode" type=" **Max15Text** ~~**Max14Text**~~ "/>
<xs:attribute name="OSContactEMailAddress" type="**Max50Text** ~~**Max140Text**~~"/>
</xs:complexType>

- <xs:simpleType name="SecurityType">
<xs:restriction base="xs:string">
<xs:enumeration value="CUSIP-9"/>
<xs:enumeration value="**CommercialPaper** ~~**CUSIP-6**~~"/>
<xs:enumeration value="non-CUSIP"/>
</xs:restriction>
</xs:simpleType>

- **<xs:simpleType name="SecurityStatusType">**
  <xs:restriction base="xs:string">
  <xs:enumeration value="Underwritten"/>
  <xs:enumeration value="PartiallyUnderwritten"/>
  <xs:enumeration value="NotUnderwritten"/>
  <xs:enumeration value="Remarketed"/>
  <xs:enumeration value="NotRemarketed"/>
  </xs:restriction>
  </xs:simpleType>

- ~~**<xs:simpleType name="DocumentPostingOperationIndicatorType">**~~
  ~~**<xs:restriction base="xs:string">**~~
  ~~**<xs:enumeration value="AppendToPostedDocument"/>**~~
  ~~**<xs:enumeration value="ReplacePostedDocument"/>**~~
  ~~**</xs:restriction>**~~
  ~~**</xs:simpleType>**~~

- <xs:simpleType name="DocumentStatusType">
  <xs:restriction base="xs:string">
  <xs:enumeration value="Current"/>
  <xs:enumeration value="Archived"/>
  <xs:enumeration value="Removed"/>
  </xs:restriction>
  </xs:simpleType>

- ~~**<xs:simpleType name="DocumentDisclosureCompletionIndicatorType">**~~
  ~~**<xs:restriction base="xs:string">**~~
  ~~**<xs:enumeration value="Partial"/>**~~
  ~~**<xs:enumeration value="Complete"/>**~~
  ~~**</xs:restriction>**~~
  ~~**</xs:simpleType>**~~
  ~~**<xs:simpleType name="UnderwriterAssessmentDiscountIndicatorType">**~~
  ~~**<xs:restriction base="xs:string">**~~
  ~~**<xs:enumeration value="EntireOfferingMatures2YearsOrLess"/>**~~
  ~~**<xs:enumeration value="EntireOfferingPuttable2YearsOrLess"/>**~~
  ~~**</xs:restriction>**~~
  ~~**</xs:simpleType>**~~

~~**<xs:simpleType name="UnderwriterAssessmentExemptionIndicatorType">**~~
~~**<xs:restriction base="xs:string">**~~
~~**<xs:enumeration value="OfferingLessThan1Million"/>**~~
~~**<xs:enumeration value="EntireOfferingMatures9MonthsOrLess"/>**~~
~~**<xs:enumeration value="EntireOfferingPuttable9MonthsOrLess"/>**~~
~~**<xs:enumeration value="Rule15c212ExemptLimitedOffering"/>**~~
~~**</xs:restriction>**~~
~~**</xs:simpleType>**~~

- ~~**<xs:simpleType name="UnderwrittenIndicatorType">**~~
~~**<xs:restriction base="xs:string">**~~
~~**<xs:enumeration value="NotUnderwritten"/>**~~
~~**<xs:enumeration value="PartiallyUnderwritten"/>**~~
~~**</xs:restriction>**~~
~~**</xs:simpleType>**~~

- **<xs:simpleType name="Max75Text">**
<xs:restriction base="xs:string">
<xs:minLength value="1"/>
<xs:maxLength value="75"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="Max50Text">
<xs:restriction base="xs:string">
<xs:minLength value="1"/>
<xs:maxLength value="50"/>
</xs:restriction>
</xs:simpleType>

- <xs:simpleType name="**Max15Text** ~~**Max14Text**~~">
<xs:restriction base="xs:string">
<xs:minLength value="1"/>
<xs:maxLength value="**15** ~~**14**~~"/>
</xs:restriction>
</xs:simpleType>
~~**<xs:simpleType name="Max10Text">**~~
~~**<xs:restriction base="xs:string">**~~
~~**<xs:minLength value="1"/>**~~

```
                    <xs:maxLength value="10"/>
                </xs:restriction>
            </xs:simpleType>
```

SUBSCRIPTION
DATA TAG GLOSSARY

Set forth below is a glossary of all data tags to be used in EMMA's primary market subscription. 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 chooses a value and an example of the data format where the submitter enters a value.

Subscription Data Tags
Description and Specification

EMMA Primary Market Subscription Service

XML Container	Data Tag	Definition	Data Specification
Subscriber Data Message	Submission Transaction Count	The number of submission transactions contained in the Subscriber Data Message	Integer *ex:* 37
	Replay Date	For subscriber data requests that contain date parameters, return data will be one day per Subscriber Data Message. The Replay Date will indicate the applicable date to which the content of the data message applies	CCYY-MM-DD *ex:* 2008-12-01
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
	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

XML Container	Data Tag	Definition	Data Specification
	Submission Transaction Date Time	EMMA-assigned date and time the submission was registered in EMMA	CCYY-MM-DDT00:00:00 *ex:* 2008-12-01T13:30:00
Offering	Offering Type	Identifies the offering as debt securities, including bonds, notes, certificates of participation and other debt obligations	Enumerated Value: • Bond • Municipal Fund Security
	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
	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_15c212ExemptLimitedOffering • OSNotProduced_15c212ExemptLimitedOffering • OSNotProduced_15c212ExemptShortTermOffering • OSNotProduced_15c212ExemptPuttableOffering • OSNotProduced_15c212ExemptSmallOffering
	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	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]
	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

XML Container	Data Tag	Definition	Data Specification
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
	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

XML Container	Data Tag	Definition	Data Specification
Securities	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
	Par Value Underwritten	If the underwriter partially underwrites a security (i.e., Underwritten Indicator = 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 Identifier	EMMA-assigned unique identifier for a document of specific document type	Max25Text *ex:* 2535
	Document Type	Indicates type(s) of documents available for the offering, including (i) official statement, (ii) preliminary official statement, (iii) advance refunding document, (iv) remarketing supplement (v) Municipal Fund Security (MFS) Disclosure Document, or (vi) Municipal Fund Security (MFS) Disclosure Document Supplement	Enumerated Value: • OfficialStatement • PreliminaryOfficialStatement • AdvanceRefundingDocument • RemarketingSupplement • MFSDisclosureDocument • MFSDisclosureDocumentSupplement

XML Container	Data Tag	Definition	Data Specification
Document	Document Description	Document name, if any	Max75Text *ex:* Official Statement *or* Preliminary Official Statement *or* Escrow Deposit Agreement *or* Reoffering Circular
	Document Status	Indication of the active state of a document consisting of current and archived	Enumerated Value: • Current • Archived • Removed
	Document Posting Date	The date the document was posted to the public on EMMA	CCYY-MM-DD ex: 2008-12-08
	Document Archive Date	The date the document was moved to the EMMA archive	CCYY-MM-DD ex: 2008-12-08
	Document Remove Date	The date the document was removed from a submission on the EMMA primary market disclosure service	CCYY-MM-DD ex: 2008-12-08
	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 Identifier	EMMA-assigned unique identifier for electronic file(s) constituting the submitted document	Max25Text *ex:* MS223986-1
	File Order	If a document consists of more than one electronic file, provides file sequence information	Integer *ex:* 24
	File Status	Indication of the active state of a file consisting of current and archived	Enumerated Value: • Current • Archived • Removed
	File Posting Date	The date the file was posted to the public on EMMA	CCYY-MM-DD ex: 2008-12-08
	File Archive Date	The date the file was moved to the EMMA archive	CCYY-MM-DD ex: 2008-12-08

XML Container	Data Tag	Definition	Data Specification
	File Remove Date	The date the file was removed from a submission on the EMMA primary market disclosure service	CCYY-MM-DD ex: 2008-12-08
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)

Submission Container:

Submission Transaction Date Time	EMMA-assigned date and time the submission was registered in EMMA	CCYY-MM-DDT00:00:00 *ex:* 2008-12-**01T13** ~~**01T09**~~:30:00

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**

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]
~~**Initial Offering Price or Yield Range**~~	~~**Initial offering price or yield of the security – not provided for commercial paper issues. Completes the range of offering price or yield as applicable.**~~	~~**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**

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 Status	Indication of the active state of a document consisting of current and archived	Enumerated Value: • Current • Archived • **Removed**
Document Remove Date	**The date the document was removed from a submission on the EMMA primary market disclosure service**	**CCYY-MM-DD** **ex: 2008-12-08**
~~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~~**
~~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~~**

File Container:

File Status	Indication of the active state of a file consisting of current and archived	Enumerated Value: • Current • Archived • **Removed**
File Remove Date	**The date the file was removed from a submission on the EMMA primary market disclosure service**	**CCYY-MM-DD** **ex: 2008-12-08**

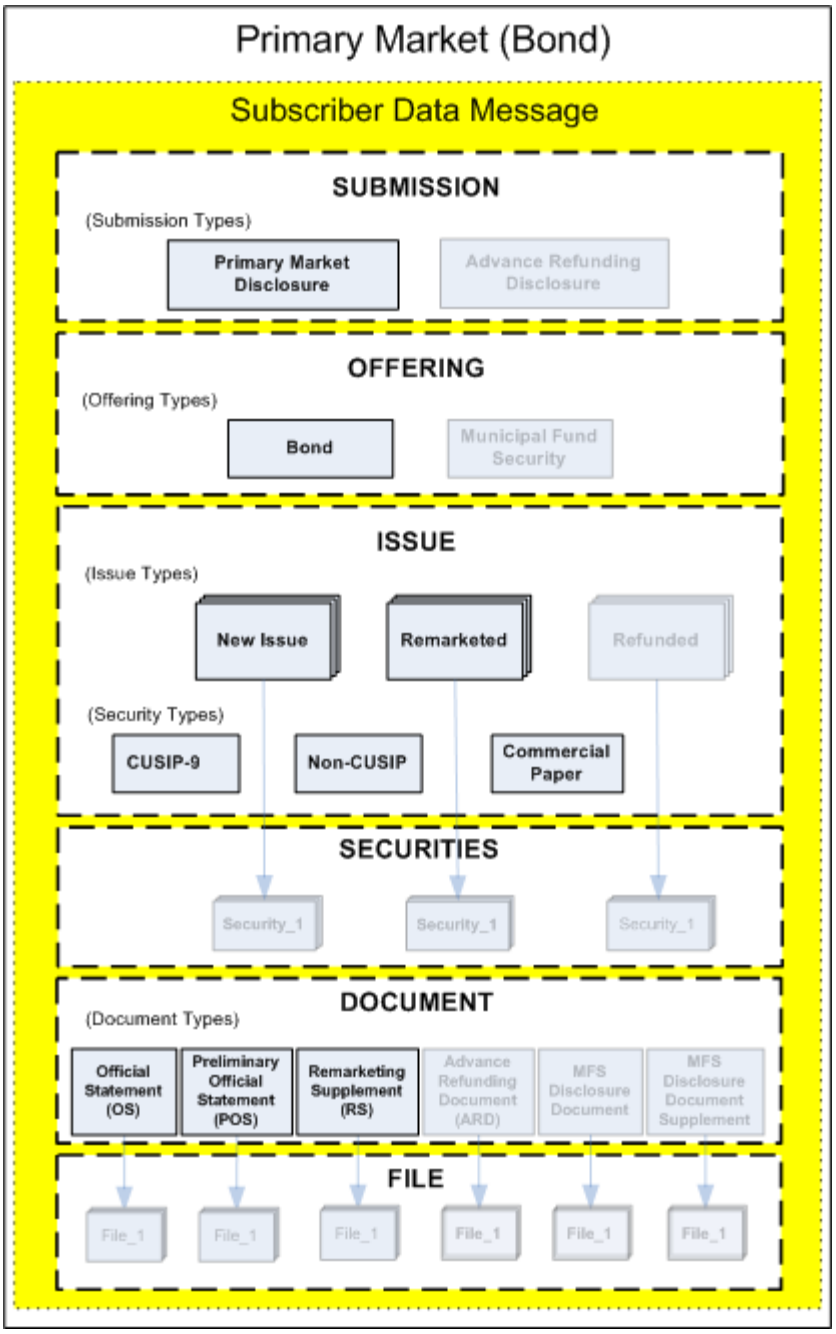
Limited Offering Contact Container:

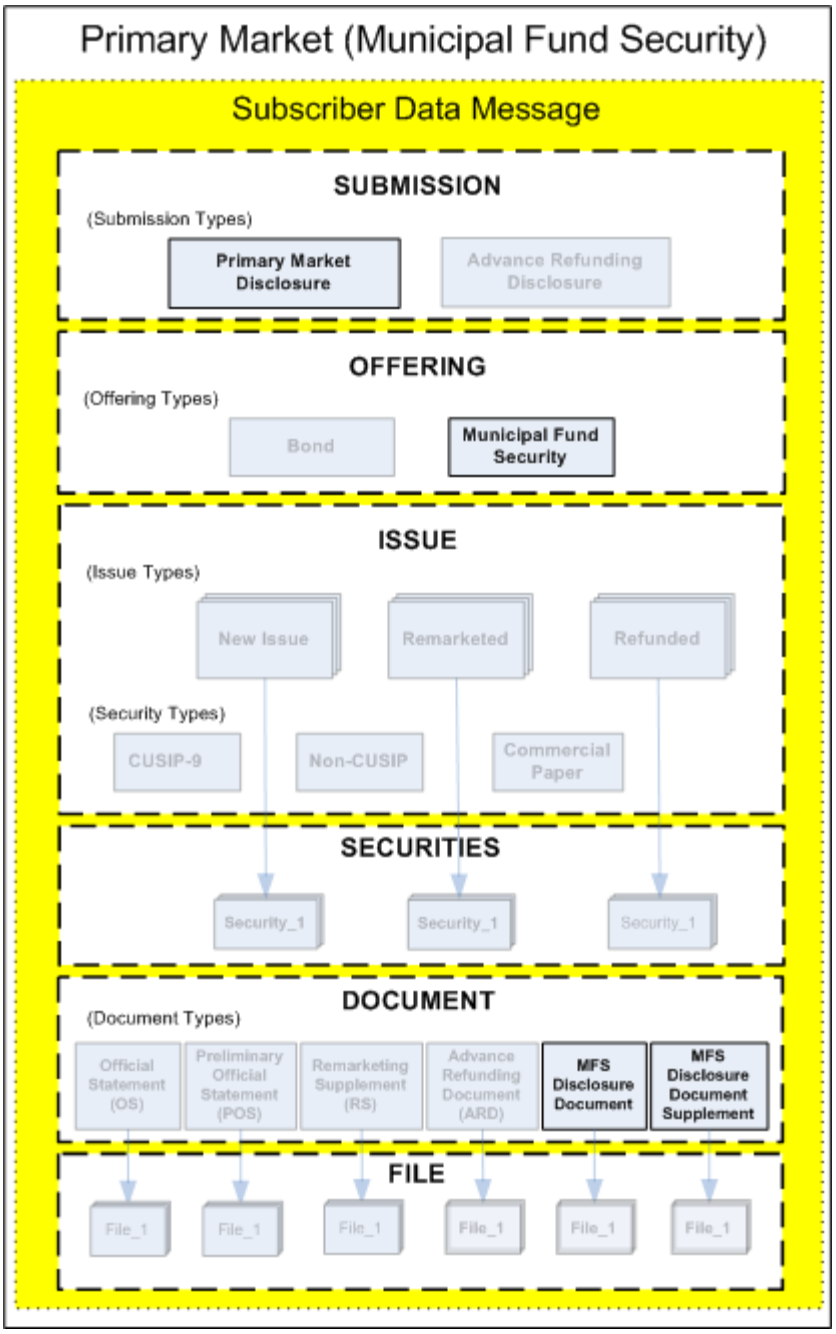
OS Contact First Name	The first name of the contact person **responsible for** ~~**available to**~~ making the official statement available upon request	Max25Text *ex:* Emma
OS Contact Last Name	The last name of the contact person **responsible for** ~~**available to**~~ making the official statement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

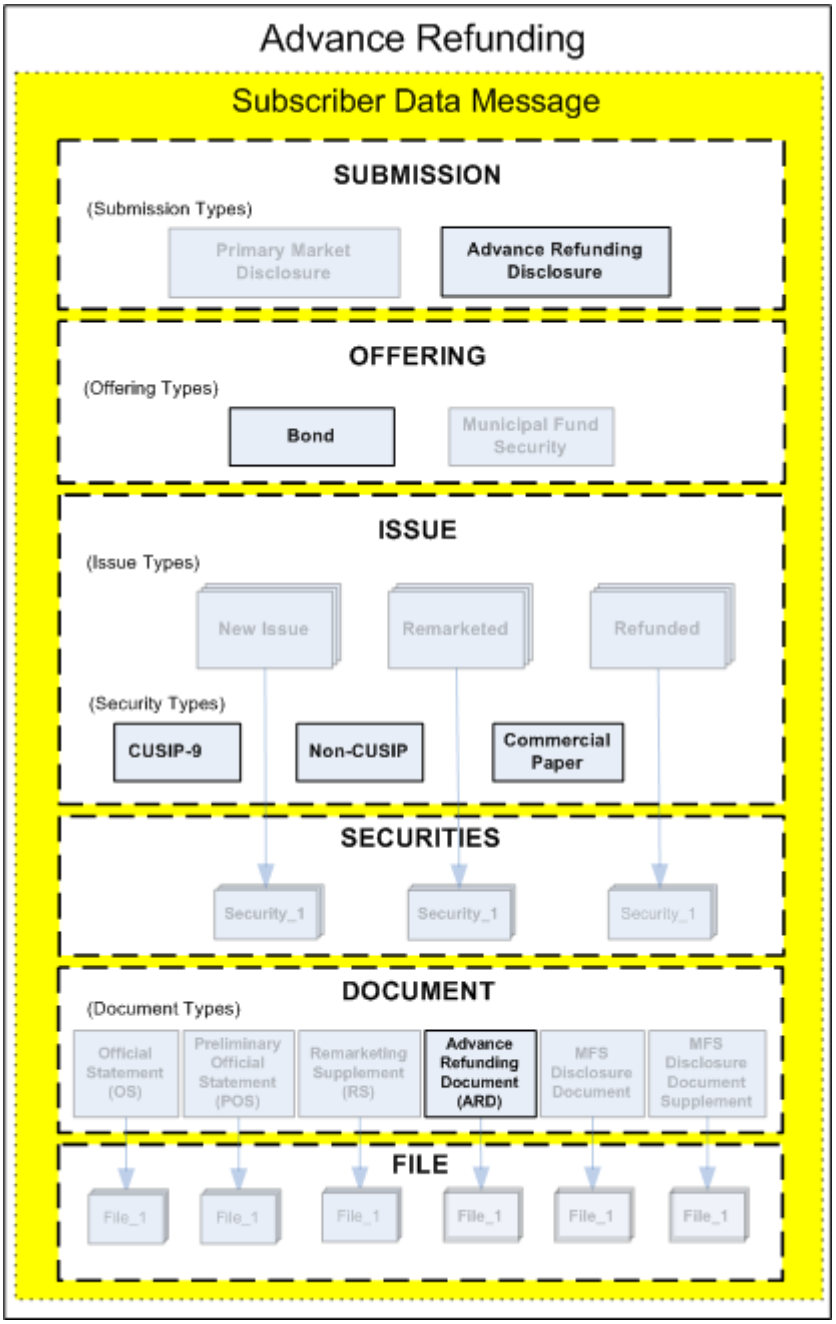
EMMA Primary Market Subscription Service Specifications

SUBSCRIPTION
DATA TAG MAPPING

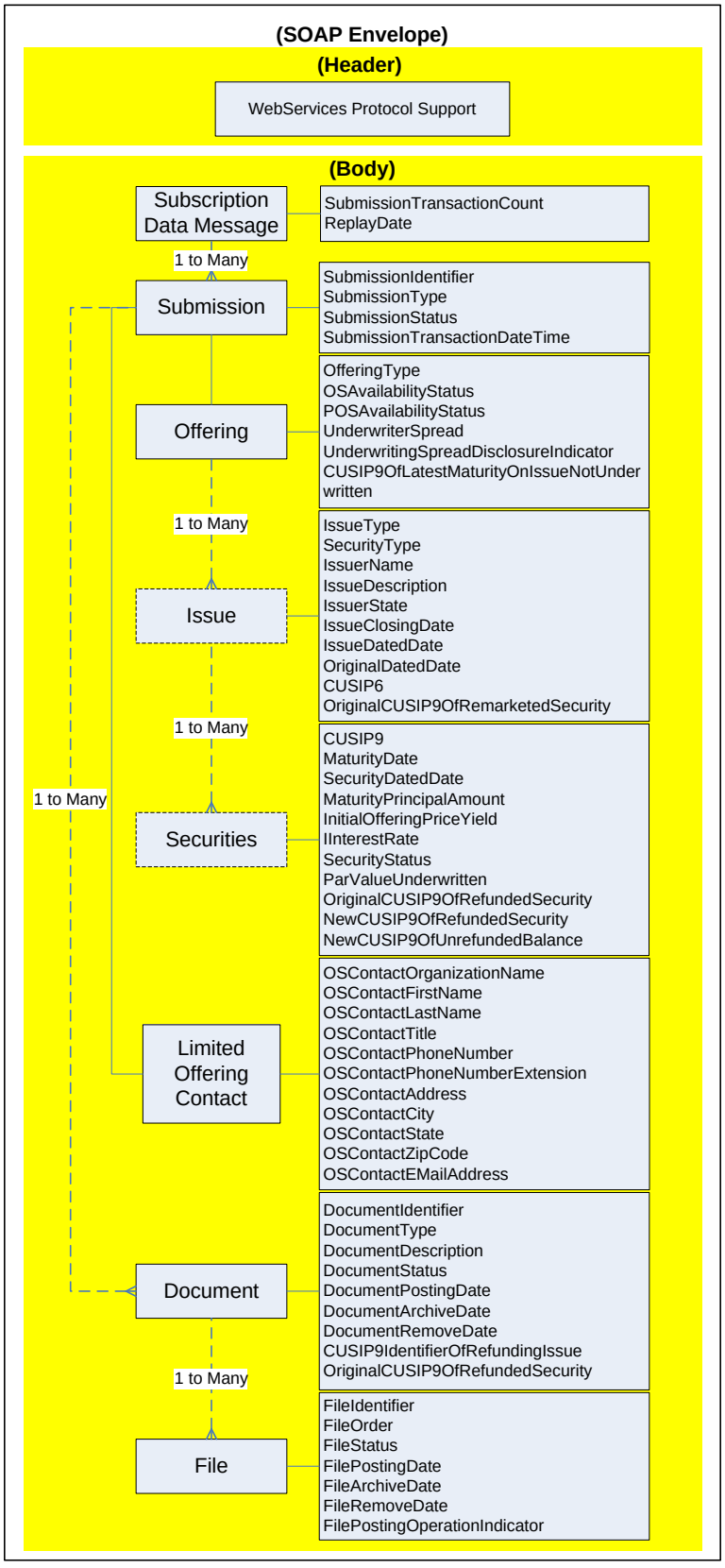
Set forth below are the information types and allowed values associated with subscription messages. Primary market disclosures will consist of offering types "bond" and "municipal fund securities." Advance refunding disclosures will consist of offering type "bond." Issue and security types are included as appropriate to describe the nature of the offering. Five types of documents will be disseminated to subscribers: official statements, preliminary official statements, municipal fund securities disclosure document and municipal fund securities disclosure document supplements. Normally, a document will consist of a single PDF file. If a document consists of multiple files, each file will be disseminated separately.


Primary Market (Bond)
Subscriber Data Message
SUBMISSION
(Submission Types)
Primary Market Disclosure
Advance Refunding Disclosure
OFFERING
(Offering Types)
Bond
Municipal Fund Security
ISSUE
(Issue Types)
New Issue
Remarketed
Refunded
(Security Types)
CUSIP-9
Non-CUSIP
Commercial Paper
SECURITIES
Security_1
Security_1
Security_1
DOCUMENT
(Document Types)
Official Statement (OS)
Preliminary Official Statement (POS)
Remarketing Supplement (RS)
Advance Refunding Document (ARD)
MFS Disclosure Document
MFS Disclosure Document Supplement
FILE
File_1
File_1
File_1
File_1
File_1
File_1


Primary Market (Municipal Fund Security)
Subscriber Data Message
SUBMISSION
(Submission Types)
Primary Market Disclosure
Advance Refunding Disclosure
OFFERING
(Offering Types)
Bond
Municipal Fund Security
ISSUE
(Issue Types)
New Issue
Remarketed
Refunded
(Security Types)
CUSIP-9
Non-CUSIP
Commercial Paper
SECURITIES
Security_1
Security_1
Security_1
DOCUMENT
(Document Types)
Official Statement (OS)
Preliminary Official Statement (POS)
Remarketing Supplement (RS)
Advance Refunding Document (ARD)
MFS Disclosure Document
MFS Disclosure Document Supplement
FILE
File_1
File_1
File_1
File_1
File_1
File_1


Advance Refunding
Subscriber Data Message
SUBMISSION
(Submission Types)
Primary Market Disclosure
Advance Refunding Disclosure
OFFERING
(Offering Types)
Bond
Municipal Fund Security
ISSUE
(Issue Types)
New Issue
Remarketed
Refunded
(Security Types)
CUSIP-9
Non-CUSIP
Commercial Paper
SECURITIES
Security_1
Security_1
Security_1
DOCUMENT
(Document Types)
Official Statement (OS)
Preliminary Official Statement (POS)
Remarketing Supplement (RS)
Advance Refunding Document (ARD)
MFS Disclosure Document
MFS Disclosure Document Supplement
FILE
File_1
File_1
File_1
File_1
File_1
File_1

Subscription Data Message



SOAP (Simple Object Access Protocol) - foundation layer of the web services protocol stack

SUBSCRIPTION
SAMPLE XML MESSAGES

NEW ISSUE

```
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<SubscriptionDataMessage SubmissionTransactionCount="8" xmlns="EMMA-SUBMISSION-XML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="…">
        <Submission SubmissionIdentifier="1300" SubmissionType="PrimaryMarketDisclosure" SubmissionStatus="Publish"
                SubmissionTransactionDateTime="2008-03-20T00:00:00">
                <Offering OfferingType="Bond" UnderwritingSpreadDisclosureIndicator="DisclosedInOfficialStatement" >
                        <Issue IssueType="NewIssue" SecurityType="CUSIP-9" IssuerName="Emma City Industrial Development Agency"
                                IssueDescription="Public Improvement Revenue Bonds (2008 EMMA University Project), Series A"
                                IssueClosingDate="2008-12-18">
                                <UnderlyingSecurities>
                                        <Security CUSIP9="699438AJ7" MaturityPrincipalAmount="255000.00" InitialOfferingPriceYield="3.88"/>
                                        <Security CUSIP9="699438AK4" MaturityPrincipalAmount="265000.00" InitialOfferingPriceYield="3.92"/>
                                        <Security CUSIP9="699438AL2" MaturityPrincipalAmount="275000.00" InitialOfferingPriceYield="3.98"/>
                                        <Security CUSIP9="699438AM0" MaturityPrincipalAmount="290000.00" SecurityStatus="NotUnderwritten"/>
                                        <Security CUSIP9="699438AN8" MaturityPrincipalAmount="300000.00" SecurityStatus="NotUnderwritten"/>
                                        <Security CUSIP9="699438AP3" MaturityPrincipalAmount="315000.00" SecurityStatus="NotUnderwritten"/>
                                        <Security CUSIP9="699438BD9" MaturityPrincipalAmount="7380000.00" SecurityStatus="PartiallyUnderwritten"
                                                ParValueUnderwritten="4000000.00" InitialOfferingPriceYield="3.90"/>
                                </UnderlyingSecurities>
                        </Issue>
                        <Issue IssueType="NewIssue" SecurityType="CUSIP-9">
                        </Issue>
                        <CUSIP9OfLatestMaturityOnIssueNotUnderwritten>699438AH1</CUSIP9OfLatestMaturityOnIssueNotUnderwritten>
                </Offering>
                <Document DocumentIdentifier="1000" DocumentType="OfficialStatement" DocumentDescription="Offering Circular">
                        <UnderlyingFiles>
                                <File FileIdentifier="MS223986-1" FileStatus="Current" FilePostingDate="2008-12-06"/>
                        </UnderlyingFiles>
                </Document>
        </Submission>
```

REMARKETING

```
<?xml version="1.0" encoding="UTF-8"?>
<SubscriptionDataMessage SubmissionTransactionCount="8" xmlns="EMMA-SUBMISSION-XML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="…">
        <Submission SubmissionIdentifier="1400" SubmissionType="PrimaryMarketDisclosure" SubmissionStatus="Publish"
                SubmissionTransactionDateTime="2008-03-20T00:00:00">
                <Offering OfferingType="Bond" UnderwritingSpreadDisclosureIndicator="DisclosedInOfficialStatement">
                        <Issue IssueType="Remarketed" SecurityType="CUSIP-9" IssuerName="Health Facilities Authority of Emma County"
                                IssueDescription="Variable Rate Demand Retirement Facility Revenue Bonds (Muni Retirement Corporation Project) Series
                                2008A" OriginalDatedDate="2008-04-10" IssueClosingDate="2008-05-27">
                                <UnderlyingSecurities>
                                        <Security CUSIP9="49833RAX3" MaturityPrincipalAmount="3275000.00" InitialOfferingPriceYield="100.0"/>
                                </UnderlyingSecurities>
                        </Issue>
                </Offering>
                <Document DocumentIdentifier="1001" DocumentType="RemarketingSupplement" DocumentDescription="Reoffering Memorandum">
                        <UnderlyingFiles>
                                <File FileIdentifier="MS265468-1" FileStatus="Current" FilePostingDate="2008-05-27"/>
                        </UnderlyingFiles>
                </Document>
        </Submission>
```

COMMERCIAL PAPER

```
<?xml version="1.0" encoding="UTF-8"?>
<SubscriptionDataMessage SubmissionTransactionCount="8" xmlns="EMMA-SUBMISSION-XML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"  xsi:schemaLocation="…">
        <Submission SubmissionIdentifier="SUB111115" SubmissionType="PrimaryMarketDisclosure" SubmissionStatus="Publish"
                        SubmissionTransactionDateTime="2008-03-20T00:00:00">
                <Offering OfferingType="Bond" UnderwritingSpreadDisclosureIndicator="DisclosedInOfficialStatement">
                        <Issue IssueType="NewIssue" SecurityType="CommercialPaper" CUSIP6="694004" IssuerName="Emma County, Virginia"
                                IssueDescription="Commercial Paper Program A-2" IssueClosingDate="2008-05-22">
                        </Issue>
                </Offering>
                <Document DocumentType="OfficialStatement" DocumentDescription="Commercial Paper Memorandum">
                        <UnderlyingFiles>
```

```
                        <File FileIdentifier="MS26776-1" FileStatus="Current" FilePostingDate="2008-05-21"/>
                    </UnderlyingFiles>
                </Document>
        </Submission>
</ SubscriptionDataMessage >
```

OFFERING HAVING NO CUSIP NUMBERS

```
<?xml version="1.0" encoding="UTF-8"?>
<SubscriptionDataMessage SubmissionTransactionCount="8" xmlns="EMMA-SUBMISSION-XML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" "  xsi:schemaLocation="…">
        <Submission SubmissionIdentifier="SUB111116" SubmissionType="PrimaryMarketDisclosure" SubmissionStatus="Publish"
                SubmissionTransactionDateTime="2008-03-20T00:00:00">
                <Offering OfferingType="Bond" OSAvailabilityStatus="OSNotProduced_15c212ExemptSmallOffering"
                        POSAvailabilityStatus="POSSubmitted">
                        <Issue IssueType="NewIssue" SecurityType="non-CUSIP" IssuerState="NE" IssuerName="Sanitary Improvement District No. 4858-
                                1 of Emma County" IssueDescription="Construction Warrants, First Series" IssueClosingDate="2009-05-14"
                                IssueDatedDate="2009-04-26">

                                <UnderlyingSecurities>
                                        <Security SecurityDatedDate="2009-04-26" MaturityDate="2014-04-26" MaturityPrincipalAmount="149137.36"
                                                InterestRate="6.50" InitialOfferingPriceYield="100.0"/>
                                </UnderlyingSecurities>
                        </Issue>
                </Offering>
                <Document DocumentIdentifier="1038" DocumentType="PreliminaryOfficialStatement">
                        <UnderlyingFiles>
                                <File  FileIdentifier="MS156903-1" FileOrder="1" FileStatus="Current" FilePostingDate="2009-04-22"/>
                        </UnderlyingFiles>
                </Document>
                <Document DocumentIdentifier="1039" DocumentType="PreliminaryOfficialStatement">
                        <UnderlyingFiles>
                                <File FileIdentifier="MS156904-1" FileOrder="2" FileStatus="Current" FilePostingDate="2009-04-22"/>
                        </UnderlyingFiles>
                </Document>
        </Submission>
</ SubscriptionDataMessage >
```

MUNICIPAL FUND SECURITY (529 COLLEGE SAVINGS PLAN)

```
<?xml version="1.0" encoding="UTF-8"?>
<SubscriptionDataMessage SubmissionTransactionCount="8" xmlns="EMMA-SUBMISSION-XML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="…">
        <Submission SubmissionIdentifier="SUB111117" SubmissionType="PrimaryMarketDisclosure" SubmissionStatus="Publish"
                SubmissionTransactionDateTime="2008-03-20T00:00:00">
                <Offering OfferingType="MunicipalFundSecurity">
                        <Issue IssuerName="State of Emma" IssueDescription="529 College Savings Plan – Advisor Series">
                        </Issue>
                </Offering>
                <Document DocumentIdentifier="1039" DocumentType="MFSDisclosureDocument" DocumentStatus="Current" DocumentDescription="Plan
                        Disclosure Document">
                        <UnderlyingFiles>
                                <File FileIdentifier="MS264639-1" FileOrder="1" FilePostingDate="2008-08-25" FileStatus="Current"/>
                        </UnderlyingFiles>
                </Document>
                <Document DocumentIdentifier="1040" DocumentType="MFSDisclosureDocumentSupplement" DocumentStatus="Current"
                        DocumentDescription="EmmaFunds Growth Fund Prospectus" >
                        <UnderlyingFiles>
                                <File FileIdentifier="MS261156-1" FileOrder="1" FilePostingDate="2008-08-25" FileStatus="Current"/>
                        </UnderlyingFiles>
                </Document>
        </Submission>
</ SubscriptionDataMessage >
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MUNICIPAL FUND SECURITY (LOCAL GOVERNMENT INVESTMENT POOL)

```
<?xml version="1.0" encoding="UTF-8"?>
<SubscriptionDataMessage SubmissionTransactionCount="8" xmlns="EMMA-SUBMISSION-XML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"  xsi:schemaLocation="…">
        <Submission SubmissionIdentifier="SUB111118" SubmissionType="PrimaryMarketDisclosure" SubmissionStatus="Publish"
                SubmissionTransactionDateTime="2008-03-20T00:00:00">
                <Offering OfferingType="MunicipalFundSecurity">
                        <Issue IssuerName="Emma Public School Investment Trust – EPSIT" IssueDescription="Cash Reserve Fund – Class A">
```

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                </Issue>
            </Offering>
            <Document DocumentIdentifier="1070" DocumentType="MFSDisclosureDocument" DocumentStatus="Current"
                DocumentDescription="Information Statement" >
                <UnderlyingFiles>
                    <File FileIdentifier="MS265281-1" FileOrder="1" FileStatus="Current" FilePostingDate="2008-02-22"/>
                </UnderlyingFiles>
            </Document>
            <Document DocumentIdentifier="1071" DocumentType="MFSDisclosureDocument" DocumentStatus="Current"
                DocumentDescription="Information Statement Supplement – July 10, 2008"  >
                <UnderlyingFiles>
                    <File FileIdentifier="MS269912-1" FileOrder="2" FileStatus="Current" FilePostingDate="2008-02-22"/>
                </UnderlyingFiles>
            </Document>
        </Submission>
</ SubscriptionDataMessage >
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SUMMARY OF CHANGES FROM PRELIMINARY SPECIFICATIONS

(underlining indicates additions; strikethrough indicates deletions)

NEW ISSUE:

- <Offering OfferingType="Bond" UnderwritingSpreadDisclosureIndicator="DisclosedInOfficialStatement" >
  <Issue IssueType="NewIssue" SecurityType="CUSIP-9" IssuerName="Emma City Industrial Development Agency"
  IssueDescription="Public Improvement Revenue Bonds (2008 EMMA University Project), Series A"
  IssueClosingDate="2008-12-18">
  <UnderlyingSecurities>
  <Security CUSIP9="699438AJ7" MaturityPrincipalAmount="255000.00" InitialOfferingPriceYield="3.88"/>
  <Security CUSIP9="699438AK4" MaturityPrincipalAmount="265000.00" InitialOfferingPriceYield="3.92"/>
  <Security CUSIP9="699438AL2" MaturityPrincipalAmount="275000.00" InitialOfferingPriceYield="3.98"/>
  <Security CUSIP9="699438AM0" MaturityPrincipalAmount="290000.00" SecurityStatus="NotUnderwritten"/>
  <Security CUSIP9="699438AN8" MaturityPrincipalAmount="300000.00" SecurityStatus="NotUnderwritten"/>
  <Security CUSIP9="699438AP3" MaturityPrincipalAmount="315000.00" SecurityStatus="NotUnderwritten"/>
  <Security CUSIP9="699438BD9" MaturityPrincipalAmount="7380000.00" SecurityStatus="PartiallyUnderwritten"
  ParValueUnderwritten="4000000.00" InitialOfferingPriceYield="3.90"/>
  </UnderlyingSecurities>
  </Issue>
  <Issue IssueType="NewIssue" SecurityType="CUSIP-9" ~~**CUSIP9OfLatestMaturityOnIssueNotUnderwritten="699438AH1"**~~>
  </Issue>
  <CUSIP9OfLatestMaturityOnIssueNotUnderwritten>699438AH1</CUSIP9OfLatestMaturityOnIssueNotUnderwritten>
  </Offering>
  <Document DocumentIdentifier="1000" DocumentType="OfficialStatement" DocumentDescription="Offering Circular"
  ~~**DocumentDisclosureCompletionIndicator="Complete"**~~>
  <UnderlyingFiles>
  <File FileIdentifier="MS223986-1" FileStatus="Current" FilePostingDate="2008-12-06"/>
  </UnderlyingFiles>
  </Document>

REMARKETING:

- <Document DocumentIdentifier="1001" ~~**DocumentPostingOperationIndicator="AppendToPostedDocument"**~~
  ~~**DocumentDisclosureCompletionIndicator="Complete"**~~ DocumentType="RemarketingSupplement"
  DocumentDescription="Reoffering Memorandum">

```
                <UnderlyingFiles>
                    <File FileIdentifier="MS265468-1" FileStatus="Current" FilePostingDate="2008-05-27"/>
                </UnderlyingFiles>
            </Document>
        </Submission>
```

COMMERCIAL PAPER:

-
```
            <Offering OfferingType="Bond" UnderwritingSpreadDisclosureIndicator="DisclosedInOfficialStatement">
                <Issue IssueType="NewIssue" SecurityType="CommercialPaper ~~CUSIP-6~~" CUSIP6="694004" IssuerName="Emma County,
                    Virginia"
                    IssueDescription="Commercial Paper Program A-2" IssueClosingDate="2008-05-22">
                </Issue>
            </Offering>
            <Document ~~DocumentDisclosureCompletionIndicator="Complete"~~ DocumentType="OfficialStatement"
                DocumentDescription="Commercial Paper Memorandum">
                <UnderlyingFiles>
                    <File FileIdentifier="MS26776-1" FileStatus="Current" FilePostingDate="2008-05-21"/>
                </UnderlyingFiles>
            </Document>
```

OFFERING HAVING NO CUSIP NUMBERS:

-
```
            <Offering OfferingType="Bond" OSAvailabilityStatus="OSNotProduced_15c212ExemptSmallOffering"
                POSAvailabilityStatus="POSSubmitted">
                <Issue IssueType="NewIssue" SecurityType="non-CUSIP" IssuerState="NE" IssuerName="Sanitary Improvement District No. 4858-
                    1 of Emma County" IssueDescription="Construction Warrants, First Series" IssueClosingDate="2009-05-14"
                    ~~IssueClosingDate="2009-04-26"~~ IssueDatedDate="2009-04-26">
                    <UnderlyingSecurities>
                        <Security SecurityDatedDate="2009-04-26" MaturityDate="2014-04-26" MaturityPrincipalAmount="149137.36"
                            InterestRate="6.50" InitialOfferingPriceYield="100.0"/>
                    </UnderlyingSecurities>
                </Issue>
            </Offering>
            <Document DocumentIdentifier="1038" ~~DocumentPostingOperationIndicator="AppendToPostedDocument"~~
                ~~DocumentDisclosureCompletionIndicator="Partial"~~ DocumentType="PreliminaryOfficialStatement">
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<Document DocumentIdentifier="1039" ~~DocumentPostingOperationIndicator="AppendToPostedDocument" DocumentDisclosureCompletionIndicator="Complete"~~ DocumentType="PreliminaryOfficialStatement">
<UnderlyingFiles>
<File FileIdentifier="MS156904-1" FileOrder="2" FileStatus="Current" FilePostingDate="2009-04-22"/>
</UnderlyingFiles>
</Document>

MUNICIPAL FUND SECURITY (529 COLLEGE SAVINGS PLAN):

- <Document DocumentIdentifier="1039" DocumentType="MFSDisclosureDocument" DocumentStatus="Current" DocumentDescription="Plan Disclosure Document" ~~DocumentPostingOperationIndicator="AppendToPostedDocument" DocumentDisclosureCompletionIndicator="Complete"~~>
<UnderlyingFiles>
<File FileIdentifier="MS264639-1" FileOrder="1" FilePostingDate="2008-08-25" FileStatus="Current"/>
</UnderlyingFiles>
</Document>
<Document DocumentIdentifier="1040" DocumentType="MFSDisclosureDocumentSupplement" DocumentStatus="Current" DocumentDescription="EmmaFunds Growth Fund Prospectus" ~~DocumentPostingOperationIndicator="AppendToPostedDocument" DocumentDisclosureCompletionIndicator="Complete"~~ >
<UnderlyingFiles>
<File FileIdentifier="MS261156-1" FileOrder="1" FilePostingDate="2008-08-25" FileStatus="Current"/>
</UnderlyingFiles>
</Document>

MUNICIPAL FUND SECURITY (LOCAL GOVERNMENT INVESTMENT POOL):

- <Document DocumentIdentifier="1070" DocumentType="MFSDisclosureDocument" DocumentStatus="Current" DocumentDescription="Information Statement" ~~DocumentPostingOperationIndicator="ReplacePostedDocument" DocumentDisclosureCompletionIndicator="Complete"~~ >
<UnderlyingFiles>
<File FileIdentifier="MS265281-1" FileOrder="1" FileStatus="Current" FilePostingDate="2008-02-22"/>
</UnderlyingFiles>

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</Document>
<Document DocumentIdentifier="1071" DocumentType="MFSDisclosureDocument" DocumentStatus="Current"
        DocumentDescription="Information Statement Supplement – July 10, 2008"
        DocumentPostingOperationIndicator="AppendToPostedDocument" DocumentDisclosureCompletionIndicator="Complete" >
        <UnderlyingFiles>
                <File FileIdentifier="MS269912-1" FileOrder="2" FileStatus="Current" FilePostingDate="2008-02-22"/>
        </UnderlyingFiles>
</Document>
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